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MONTANA OIL AND GAS STATISTICAL BULLETIN

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HELENA, MONTANA 59601

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BILLINGS, MONTANA 59101

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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

AUG 5 1974

Vol. XXII, No. 5 **MAY, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1974, averaged 97,077 barrels daily, a decrease of 2,573 barrels from the average 99,650 production in April.

The nine refineries in the state processed 122,111 barrels of crude oil daily for the month of May, 1974, a decrease of 2,927 barrels from the 125,038 barrels processed daily during the month of April.

During May, 37 well were completed, 3 oil, 4 gas and 30 dry holes.

During May, the Board issued 113 permits to drill new wells, an increase of 73 from the 40 permits issued during April.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1974

IN STORAGE MAY 1st	
By Producers	320,858
By Transporters	1,276,499
By Refiners	1,361,740
TOTAL STORAGE	2,959,097
Produced in Montana During Month	3,009,381
Imported During Month	3,041,425
TOTAL	9,009,903
DISPOSITION:	
Refined in Montana	3,785,455
Exported	2,154,429
Used for Fuel or Lost	3,966
TOTAL	5,943,850
IN STORAGE MAY 31st	
By Producers	343,604
By Transporters	1,472,087
By Refiners	1,250,362
TOTAL STORAGE	3,066,053

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of May, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	73,795
Black Coulee	19,177
Blackjack	—0—
Bowdoin	441,553
Bowes	23,215
Cedar Creek	159,045
Cut Bank (including Reagan)	120,219
Dry Creek	30,634
Ethridge	12,179
Flat Coulee	11,504
Grandview	9,037
Hardin	3,187
Keith Block	57,212
Kevin Sunburst	42,036
Kicking Horse	9,685
Lake Basin	—0—
Liscom Creek	46,729
Middle Butte	2,023
Mt. Lilly	3,689
Plevna	6,594
South Devon	21,441
Shepard	84,971
Tiger Ridge	1,753,545
Trail Creek	15,821
Utopia	—0—
West Butte	3,289
Whitlash	63,139
ASSOCIATED:	
Bell Creek	31,500
Brush Lake	348
Cabin Creek	63,902
Elk Basin	46,912
Fairview	55,031
Fred & George Creek	2,562
Pine	54,366
Richland	58,427
Tule Creek	13,574
TOTAL	3,340,391

Total Withdrawals for May, 1973, were 4,248,487.

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PRODUCERS REPORT — MONTH OF MAY, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	104	820	----------	879	----------	45
1	Bainville	1	2,259	2,401	----------	2,463	----------	2,197
4	Bannatyne	4	----------	1,074	1,074	----------	----------	----------
3	Bear's Den	5	1,680	763	----------	1,028	----------	1,415
17	Bell Creek	229	25,369	787,179	787,923	----------	12	24,613
1	Benrud	1	364	829	----------	636	----------	557
3	Benrud East	3	1,796	12,179	----------	11,865	----------	2,110
1	Benrud Northeast	1	696	1,630	----------	1,500	----------	826
1	Berthelote	1	334	181	198	----------	----------	317
5	Big Wall	16	1,490	6,456	6,610	----------	----------	1,336
3	Blackfoot	3	278	1,349	1,352	----------	----------	275
2	Border	6	2,886	657	----------	817	----------	2,726
1	Bowes	49	5,348	13,002	12,414	----------	----------	5,936
1	Bradley	1	317	536	411	----------	----------	442
2	Brady	2	----------	349	349	----------	----------	----------
4	Brorson-Madison	4	992	3,181	----------	3,147	----------	1,026
5	Brorson-Red River	5	6,017	7,074	----------	6,728	----------	6,363
3	Brorson-Red River South	3	2,395	7,601	----------	6,644	----------	3,352
6	Brush Lake	6	778	15,441	14,797	----------	----------	1,422
1	Burns Creek	1	389	(8,594)	----------	(8,716)	----------	511
2	Cabin Creek	84	----------	201,198	201,198	----------	----------	----------
1	Canal	1	441	4,063	----------	3,481	----------	1,023
10	Cat Creek	40	2,381	12,963	13,190	----------	----------	2,154
...	Chelsea Creek	----------	101	----------	----------	----------	----------	101
1	Clark's Fork	1	222	109	----------	201	----------	130
1	Clark's Fork South	1	260	673	----------	839	----------	94
1	Conrad South	1	----------	211	211	----------	----------	----------
2	Cow Creek	2	399	548	----------	756	----------	191
4	Cow Creek East	5	458	14,501	----------	13,822	----------	1,137
1	Culbertson	1	177	669	----------	628	----------	218
4	Cupton	7	3,692	6,889	5,999	770	----------	3,812
123	Cut Bank	821	58,112	295,028	263,430	31,178	----------	58,532
...	Dean Dome	----------	65	----------	----------	----------	----------	65
1	Deer Creek	1	588	1,068	1,304	----------	----------	352
1	Delphia	1	151	777	----------	816	----------	112
...	Devil's Basin	----------	676	----------	----------	----------	----------	676
2	Dwyer	10	3,094	8,315	6,734	----------	----------	4,675
3	Elk Basin	50	694	114,968	114,986	----------	----------	676
4	Elk Basin Northwest	7	1,112	2,721	2,031	----------	----------	1,802
5	Fairview	9	8,050	31,073	15,962	14,587	208	8,366
2	Fertile Prairie	2	305	1,325	----------	1,215	----------	415
4	Flat Coulee	20	2,888	10,678	11,249	----------	----------	2,317
36	Flat Lake	52	4,017	56,298	56,415	----------	----------	3,900
6	Flat Lake South	6	627	7,308	6,863	----------	----------	1,072
...	Four Buttes	----------	506	----------	----------	216	----------	290
1	Ft. Gilbert	2	388	10,209	10,207	----------	----------	340
1	Frannie	1	----------	682	682	----------	----------	----------
14	Fred & George Creek	28	3,445	48,236	48,164	----------	----------	3,517
1	Froid South	1	579	695	----------	840	----------	434
1	Gage	1	126	143	----------	150	----------	119
3	Gas City	16	5,688	21,228	14,704	5,078	----------	7,134
1	Girard	1	1,226	785	----------	850	----------	1,161
11	Glendive	14	2,518	21,987	22,671	----------	----------	1,834
10	Goose Lake	28	3,270	25,522	24,986	----------	----------	3,806
11	Graben Coulee	29	9,723	18,969	16,472	1,513	----------	10,707
1	Gypsy Basin	1	----------	392	----------	392	----------	----------
1	Hay Creek-Mission Canyon	1	136	1,212	1,228	----------	----------	120
1	Hay Creek-Red River	1	370	4,211	4,163	----------	----------	418
4	Hiawatha	4	2,243	4,271	4,170	----------	----------	2,344
1	Hibbard	1	639	191	----------	390	----------	440
...	Injun Creek	----------	266	----------	----------	----------	----------	266
5	Ivanhoe	11	1,418	2,987	3,011	----------	----------	1,394
2	Jim Coulee	18	3,403	41,817	41,671	----------	----------	3,549
9	Keg Coulee	21	6,997	12,669	13,416	----------	481	5,769
2	Keg Coulee North	2	825	1,223	1,354	----------	----------	694
1	Kelley	3	879	4,061	3,703	----------	----------	1,237
64	Kevin Sunburst	353	10,442	25,953	4,126	17,506	7	14,756
9	Laird Creek	11	431	2,864	----------	2,644	----------	651
1	Landslide Butte	2	1,406	614	----------	1,442	----------	578
3	Leary	3	1,093	1,858	----------	1,222	----------	1,729
1	Little Beaver	23	----------	42,568	42,568	----------	----------	----------
2	Little Beaver East*	9	1,145	13,303	13,148	----------	----------	1,300
6	Little Wall Creek	6	2,039	39,086	38,446	----------	----------	2,679
1	Lodge Grass	1	551	625	----------	962	----------	214
7	Lonetree Creek	7	5,351	16,648	----------	17,872	----------	4,127
3	Lookout Butte (Coral Creek)	30	247	56,099	56,030	----------	----------	316
2	Mason Lake	2	276	613	732	----------	----------	157
2	Melstone	2	959	1,584	1,763	200	----------	580
1	Mineral Bench	1	409	516	----------	----------	----------	925
1	Miners Coulee	1	----------	536	----------	536	----------	----------
7	Monarch	13	1,781	11,828	8,896	2,353	----------	2,360
2	Mosser	2	----------	250	----------	250	----------	----------
1	Nohly	1	932	9,050	----------	9,526	----------	456
3	Otis Creek	3	982	2,218	----------	1,619	----------	1,581
6	Outlook	8	7,471	22,053	23,662	----------	----------	5,862
1	Outlook South	1	1,837	92	1,623	----------	----------	306
2	Outlook West	2	1,608	455	1,372	----------	----------	691
1	Pennel-Lookout Butte	109	----------	205,425	205,425	----------	----------	----------
3	Pine	107	7,718	256,989	247,029	----------	----------	17,678
59	Pondera	255	3,704	24,365	23,726	----------	----------	4,343
5	Poplar	60	8,035	42,220	41,043	----------	----------	9,212
3	Poplar Northwest	3	1,393	712	122	----------	----------	1,983
...	Prairie Elk	----------	474	----------	----------	----------	----------	474
1	Pritchard Creek	5	167	1,567	1,567	----------	----------	167
1	Putnam	2	242	5,773	----------	5,773	----------	242
3	Rabbit Hills	3	3,439	6,505	----------	7,435	----------	2,509
8	Ragged Point	17	4,365	12,953	9,954	----------	----------	7,364
2	Rattlesnake Coulee	2	385	346	----------	----------	----------	731
4	Raymond	4	3,186	38,689	38,855	----------	----------	3,020
3	Reagan	44	1,190	14,150	14,384	----------	----------	956
1	Red Creek	19	----------	12,978	12,978	----------	----------	----------
1	Red Fox	1	168	661	663	----------	----------	166
1	Redstone	1	577	2,532	2,764	----------	----------	345
1	Repeat	1	100	271	----------	171	----------	200
4	Reserve	4	892	3,843	4,019	----------	----------	716
1	Richey	1	308	499	627	----------	----------	180
1	Richey Southwest	5	726	1,469	----------	1,337	----------	858
1	Riprap Coulee	1	527	1,132	1,332	----------	----------	327
1	Rush Mountain	1	283	1,484	1,526	----------	----------	241
2	Salt Lake	3	549	3,045	----------	2,842	----------	752
3	Sand Creek	3	1,128	1,567	1,543	----------	----------	1,152
2	Second Creek	2	1,120	9,469	----------	9,957	----------	632
3	Sioux Pass	4	3,905	38,816	39,858	----------	----------	2,863
1	Snyder	3	232	600	----------	205	----------	627
9	Soap Creek	19	1,691	4,188	----------	2,746	----------	3,133
1	Spring Lake	1	761	391	----------	759	----------	393
3	Stensvad	8	2,475	23,565	23,459	----------	----------	2,581
18	Sumatra	65	21,274	123,911	122,445	----------	133	22,607
5	Tule Creek	5	3,243	17,801	----------	17,665	----------	3,379
2	Tule Creek East	2	646	3,676	----------	3,453	----------	869
3	Tule Creek South	3	772	1,971	----------	1,806	----------	937
2	Vida	2	306	868	----------	840	----------	334
4	Volt	5	2,506	10,068	----------	10,736	----------	1,838
3	Weldon	3	1,072	4,902	4,958	----------	----------	1,016
1	West Butte	1	----------	1,048	----------	1,048	----------	----------
17	Whitlash	43	8,221	10,191	10,893	----------	----------	7,519
...	Whitlash West	----------	284	----------	----------	----------	----------	284
2	Willow Creek North	2	353	1,438	1,530	----------	----------	261
2	Wills Creek South	2	----------	2,389	2,389	----------	----------	----------
3	Winnett Junction	4	1,584	8,164	----------	8,481	----------	1,317
2	Wolf Springs	2	1,131	1,436	----------	1,157	----------	1,410
2	Woodrow	2	461	2,335	2,488	----------	----------	308
2	Wright Creek	4	2,382	221	624	----------	----------	1,979
...	Wildcat, Blaine Co.	----------	157	----------	----------	----------	----------	157
1	Wildcat McCone Co.	1	236	63	----------	212	----------	87
2	Wildcat Rosebud Co.	2	639	6,696	----------	4,302	----------	3,033
1	Wildcat, Toole Co.	1	294	205	----------	205	----------	294
688	TOTAL	2,978	320,858	3,009,381	2,743,869	241,925	841	343,604

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1974	34,620,182	94,850	34,617,999	94,844
First Quarter, 1974	8,601,572	95,573	8,580,737	95,342
April, 1974	2,989,487	99,650	2,998,527	99,951
May, 1974	3,009,381	97,077	2,985,794	96,316

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,653,858
March, 1974	330,336	1,397,963	1,001,634	2,729,933
April, 1974	320,858	1,276,499	1,361,740	2,959,097
May, 1974	343,604	1,472,087	1,250,362	3,066,053

*Montana Oil Only

**Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF MAY, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			879				879		
BAINVILLE—Koch Oil Company			2,463				2,463		
BEAR'S DEN—Truck			1,028				1,028		
BELL CREEK—Pipeline	38,476	789,179					503,852	284,815	38,988
BIG WALL—Continental Pipeline Co.		6,610				6,610			
BLACKFOOT—Phillips Petroleum Co.		1,352						1,352	
BORDER—Permian Corp.			817					817	
BOWES—Texaco		12,414				12,414			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.			16,519					16,519	
BRUSH LAKE—Portal Pipeline Co.		12,080					12,080		
BURNS CREEK—Western Crude Oil, Inc.			(8,716)				(8,716)		
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	272,380	463,145	44,346	1,576,782			2,096,426		260,227
Shell Pipeline Co.	3,999	51,795			(49)			52,518	3,325
	276,379	514,940	44,346	1,576,782			2,096,426		263,552
CANAL—Koch Oil Co.			3,481				3,481		
CAT CREEK—Continental Pipeline Co.		12,788				12,788			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			1,040				1,040		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			14,578				14,578		
CUT BANK—									
Continental Pipeline Co.		111,991	6,328					118,319	
Phillips Petroleum Co.	94,720	100,352		53,621	1,562	164,722		10,112	72,297
Texas Pipeline Co.	22,487	38,071		76,451	(126)	119,174			17,961
Union Oil Co.	44,405	40,781			(1,145)				86,331
Western Oil Trans. Co.		34,182				34,182			
Western Oil Trans. Co. (Moulton)		130,925				130,925			
	161,612	456,302	6,328	130,072	291	449,003		128,431	176,589
DELPHIA—Truck			816			816			
DWYER—Portal Pipeline Co.		6,734					6,734		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		116,877				116,877			
FAIRVIEW—									
Fairview Pipeline Co.		15,962					15,962		
Koch Oil Co.			14,587				14,587		
		15,962	14,587				30,549		
FLAT COULEE—Phillips Petroleum Co.		16,051				16,051			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		58,918					58,918		
FT. GILBERT—Fairview Pipeline Co.		10,207					10,207		
FRANNIE—Interstate Pipeline Co.		682					682		
FRED AND GEORGE CREEK—Camerland Cardinal Corp.	15,058	49,495		7,801	1,797	49,276		5,096	16,185
GAGE—Truck			150			150			
GIRARD—Koch Oil Co.			850				850		
GLENDIVE, DEER CREEK, WOODROW AND SAND CREEK—Texas Pipeline Co.	7,165	22,838			291			21,003	8,709
GOOSE LAKE—Portal Pipeline Co.		[illegible]					22,934		
HAY CREEK—Fairview Pipeline Co.		5,391					5,391		
HIAWATHA—Continental Pipeline Co.		4,170					4,170		
IVANHOE—Continental Pipeline Co.		4,280				4,280			
JIM COULEE—Continental Pipeline Co.		41,671						41,671	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		14,770				14,770			
KELLEY—Continental Pipeline Co.		3,703				3,703			
KEVIN SUNBURST—									
Big West Oil Co.	5,396	14,309				13,829			5,876
Homestake Oil & Gas Co.	2,418	1,994				2,278			2,134
Texas Pipeline Co.	17,446	7,335			(45)	10,568			14,258
Northern Montana Oil Service			16,402			16,154			248
	25,260	23,638	16,402		(45)	42,829			22,516
LEARY—Permian Corp.			[illegible]				1,222		
LODGE GRASS—Permian Corp.			962			962			
LONE TREE CREEK—Koch Oil Co.			17,872					17,872	
MASON LAKE—Continental Pipeline Co.		732				732			
MELSTONE—Continental Pipeline Co.		1,763	200			1,963			
MIDDLE WALL—Continental Pipeline Co.[2]		31,728						31,728	
MOSSER—Permian Corp.			250				250		
NOHLY—Koch Oil Co.			9,526				9,526		
OTIS CREEK—Western Crude Oil, Inc.			1,619				1,619		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		26,438						26,438	
PONDERA—Phillips Petroleum Co.	35,012	25,147			203	21,283			38,673
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	17,359	52,048			83			44,273[3]	25,051
PUTNAM—Western Crude Oil, Inc.			5,773				5,773		
RABBIT HILLS—Koch Oil Co.			7,435				7,435		
RAGGED POINT—Continental Pipeline Co.		9,954				9,954			
RAYMOND—Portal Pipeline Co.		[illegible]					34,820		
RED CREEK—Western Oil Transportation Co.		21,404				21,404			
RESERVE—Portal Pipeline Co.		4,115					4,115		
RIPRAP COULEE—Portal Pipeline Co.		1,332						1,332	
RUSH MOUNTAIN—Sinclair Ref. Co.		1,526					1,526		
SALT LAKE—Koch Oil Co.			2,842				2,842		
SECOND CREEK—Koch Oil Co.			9,957				9,957		
SNYDER—Permian Corp.			205			205			
SOAP CREEK—Permian Corp.			2,746				2,746		
SPRING LAKE—Koch Oil Co.			759				759		
SUMATRA AND STENSVAD—Continental Pipeline Co.	696,950	145,989		3,043,662	545	134,618		2,874,459	876,979
TULE CREEK, BENRUD, VOLT & OTHERS[4]—Tesoro Petroleum, Permiam Corp.	3,228		48,878	2,232		49,493			4,845
			1,804			1,804			
	3,228		50,682	2,232		51,297			4,845
WHITLASH AND WHITLASH WEST—Phillips Petroleum Co.		11,987				11,987			
WINNETT JCT.—Truck			8,431			8,431			
WOLF SPRINGS—Permian Corp.			1,157			1,157			
WILDCAT WELLS—Truck			4,719					4,719	
TOTAL	1,276,499	2,592,969	241,925	4,760,549	3,116	993,560	2,850,136	3,553,043	1,472,087

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MAY, 1974

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Exxon Co.	Phillips Petroleum Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall		6,610							6,610
Cat Creek		3,020		9,768					12,788
Cut Bank	53,545					156,233		22,806	232,584
Elk Basin		46,286		35,252	35,339				116,877
Flat Coulee								16,051	16,051
Fred & George Creek	49,276								49,276
Ivanhoe		4,280							4,280
Keg Coulee		9,058		2,604	3,108				14,770
Kelley					3,703				3,703
Kevin Sunburst	42,829								42,829
Lodge Grass		962							962
Mason Lake		732							732
Melstone				1,963					1,963
Pondera						23,789			23,789
Ragged Point		9,954							9,954
Richey, Southwest							1,256		1,256
Snyder		205							205
Sumatra & Stensvad		30,765		82,241	29,971				142,977
Tule Creek & Others							37,014		37,014
Whitlash						5,085			5,085
Winnett Jct.				8,431					8,431
Wolf Springs					1,157				1,157
Volt							10,737		10,737
TOTAL Montana Oil	145,650	111,872		140,259	73,278	185,107	49,007	38,857	744,030
Canadian Oil Imported		66,865		443,744	393,687		2,232		906,528
Wyoming Oil Imported		999,375		702,643	432,879				2,134,897
TOTAL Montana, Canadian & Wyoming Oil	145,650	1,178,112		1,286,646	899,844	185,107	51,239	38,857	3,785,455

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1973	26,563	43,474	69,599	139,140
May, 1973	26,131	40,332	72,326	138,789
May, 1974	24,001	29,243	68,867	122,111

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1973	19.20%	31.13%	49.85%
May, 1973	18.83%	29.06%	52.11%
May, 1974	19.65%	23.95%	56.40%